KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

TYPE TEST: Open Flow 15-033-21269-Deliverability TEST DATE: 12/13/10 API No. Blackshirt Thoroughbred Associates Acres Attributed County Location Section RNG (R/W) Comanche 90'E-NE-NE Sec. 21-T32S-R19W Field Reservoir Gas Gathering Connection Mississipi Plug Back Total Depth Completion Date Packer Set at 10/06/01 5320 none Casing Size Weight Internal Diameter Set at Perforations 5.500 58993 5108 5118 15.500 4.950 Set at Tubing Size Weight Internal Diameter Perforations 2.441 5043 2.500 6.500 Type Fluid Production Type Completion (Describe) Pump Unit or Traveling Plunger? Tubing Producing Thru(Annulus/Tubing) % Carbon Dioxide Gas Gravity- Gg % Nitrogen Casing .180 1.090 .609 Vertical Depth (H) Pressure Taps Meter Run Size Flange 5043 3:55 PM Pressure Buildup: Shut in 12/10/10 TAKEN Well on Line: 12/13/10 TAKKN 1:45 PM Started **OBSERVED SURFACE DATA** Casing WellHead Press. Tubing WellHead Press Static/ Orifice Pressure WellHead Meter Flowing Liquid (P_w) (P_t) (P_c) $(P_{\mathbf{z}})$ $(P_{\mathbf{t}})$ $(I_{\mathbf{c}})$ Dynamic Size Pressure Diff. Temp. Duration Prod. Temp. Property in. psig In. H ,0 (Hours) Barrels t. t. psig psia psig psia 380 394 72.0 Shut-in .750 40.0 72.00 60 60 80 94 24.0 Flow FLOW STREAM ATTRIBUTES CORFFICIENT (MRTER) RETENSION GRAVITY PLOSTING TRAD DEVIATION RATE OF FLOW (F_b) PRESSURE G m FACTOR FACTOR PACTOR COR Pm x E Mcfd psia Mcfd 1.0000 2.779 54.4 62.58 1.2814 1.0044 609 223 (OPEN FLOW)(DELIVERABILITY) CALCULATIONS $(Pa)^2 = 0.207$ (Pw) 2 $(Pd)^2 = 2.50$ 155.6 9.0 Pd = 12.7 (Pc - 14.4) + 14.4 =Open Flow Backpressure Curve Slope"n Deliverability Assigned R x Antilog n x LOG Antilog Mcfd Standard Slope 155.34 146.60 1.060 .0252 .850 .0214 1.050 235 153.05 146.60 1.044 0187 .850 .0159 1.037 232 OPEN FLOW Mcfd @ 14.65 psia DELIVERABILITY 232 Mcfd 0 14.65 psia The undersigned authority, on behaf of the Company, states that he is duly authorized to make the about tenuary stated berein and that said report is true and correct. Executed this the RECEIVED Witness (if any) JAN 03 2011

KCC WICHITA

Checked by

For Commission